

Patent Abstracts of Japan

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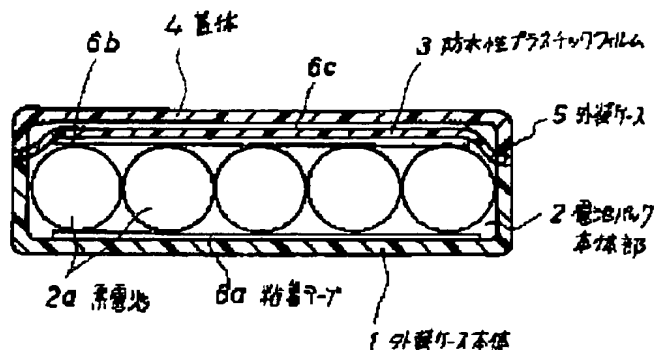
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TITLE : BATTERY PACK WITH
WATERPROOF/DRIP-PROOF
STRUCTURE



ABSTRACT : PURPOSE: To provide a battery pack excellent in waterproofness and drip- proofness and easy to mass-produce by packing a battery pack main body section containing plural unit cells and a wiring circuit in an exterior case main body with a waterproof plastic film container.

CONSTITUTION: A battery pack main body section 2 constituted of plural unit cells 2a and a wiring circuit electrically connecting them is stored and fixed in an exterior case 5 constituted of an exterior case main body 1 and a cover body 4 via adhesive tapes 6a-6c. A waterproof plastic film 3 is suspended on the opening section of the exterior case main body 1 to seal it. The waterproof plastic film preferably has the moisture transmission factor of $200 \times 10^{-11} \text{cc.cm/cm}^2 \cdot \text{sec.atm}$ or below at the operating temperature of a battery pack, it is formed with one or more layers, it preferably contains a water absorbing or oil absorbing resin 50-0.5%, and it preferably has the volume electric resistance of $10^5 \Omega \cdot \text{cm}$ or below.

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